

RAW SEQUENCE LISTING

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Application Serial Number: 10/542,128
Source: PCT
Date Processed by STIC: 02/07/2006

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/542,128

DATE: 02/07/2006

TIME: 13:38:43

Input Set : A:\00530-115US1.txt
 Output Set: N:\CRF4\02012006\J542128.raw

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4 <110> APPLICANT: Chen, Lan Bo
5   Auclair, Daniel
7 <120> TITLE OF INVENTION: MRP3 GENES AND USES THEREOF
10 <130> FILE REFERENCE: 00530-115US1
12 <140> CURRENT APPLICATION NUMBER: US 10/542,128
13 <141> CURRENT FILING DATE: 2005-07-13
15 <150> PRIOR APPLICATION NUMBER: PCT/US2004/005335
16 <151> PRIOR FILING DATE: 2004-02-24
18 <150> PRIOR APPLICATION NUMBER: US 60/450,071
19 <151> PRIOR FILING DATE: 2003-02-25
21 <160> NUMBER OF SEQ ID NOS: 7
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 2242
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 ctggcatacc gtcgtctcac gttcacatgc ttgcagagaa cgtacacaga cgagggtact      180
34 gaaggcttgtt ctgcagggtca ggcagggtcat cctgtatgccca gcttgcgtactg tcaaaggatc 240
35 acctaactgc aaacggaaatt ttgttaaaggc agatcacatt gttaatcacctt cagggtggctc 300
36 aaaccttgaa cgcgttggca aacaaaaaaac aatccagaaaa ggtcaatttt cacaaggatc      360
37 agtgtgcaca tgaatctact tgtaaaaatg tacattttgc ttctgttagac cttaggtgg      420
38 gtcaggact ctgcactttt atcaagactc cttgggtacgc aaagtgtggc ccattggggcca 480
39 gttgcatacc catcctctgg gagttgttta gaaatgaaga atctcagggtt ccaaggatccc 540
40 cctcagacta cagaatccgg cgttgcattt taacaaggatt ctctggaaatg tcttatacat 600
41 attaaaggatg gagaacacaga aaccaaggcg aggtggctct tggtaatgc tgcactgtca 660
42 ctgccaagg gagtcatccg ggattacagc cccaggtggc atgcctgtgg gttgtatcca 720
43 ggcacactgc ggtcatccat gggctaggat cccatggatg ggcacatgtat ccaggagatct 780
44 gaactctcc caaagccatt acgggtggga ggggagatcg ccatacgtat aacccagtc 840
45 ctttggccag gtgacatttgc ctgtgtactg gatgatacga atgtatgtcg atttggaaatc 900
46 taacatgtg gttgtggaga gggtaagga gtactccaag acagagacag aggcggccctg 960
47 ggtgggtggaa ggcagccggc ctccccgaagg ttggccccca cgtggggagg tgagttccg 1020
48 gaattttctt gtgcgttacc ggcggggctt agacctgggt ctgagagacc tgagtctgca 1080
49 tggcacgggt ggcgagaagg tggggatcg tggccgcact ggggctggca agtcttccat 1140
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51 caatgtggca gacatcgccc tccatgaccc tgcgtctcgat ctgaccatca tcccgccagga 1260
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56 cacagctgcc atcgacactgg agactgacaa cctcatccag gctaccatcc gcacccagtt 1560

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57	tgataacctgc	actgtcctga	ccatcgacaca	ccggcttaac	actatcatgg	actacaccag	1620
58	ggtcctggtc	ctggacaaag	gagtagtagc	tgaatttgc	tctccagcca	acctcattgc	1680
59	agctagaggc	atcttctacg	ggatggccag	agatgctgga	cttgctaaa	atatattcct	1740
60	gagatttct	cctggcctt	cctggtttc	atcaggaagg	aatgacacc	aatatatgtcc	1800
61	gcagaatgga	cttgcatac	aacactgggg	gcacccctaa	atttgcacc	tgtaaagtgc	1860
62	cttacagggt	aactgtgc	aatgccttag	atgaggaaat	gatccccaa	tgtgaaatga	1920
63	cacgcctaag	gtcacageta	gttgagcca	gttagactag	tcccccgtct	cccgattccc	1980
64	aactgagtgt	tatgtcaca	ctgcactgtt	ttcaaataac	gatttatga	aatgacctct	2040
65	gtcctccctc	tgatttc	tatgttctaa	agtttcgttt	ctgttttta	ataaaaaagct	2100
66	ttttcttcct	ggaacagaag	acagctgctg	gttcaggcca	cccctaggaa	ctcagtcctg	2160
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79	20	25	30				
80	Glu Gly Ser Arg Pro Pro Glu Gly Trp Pro Pro Arg Gly Glu Val Glu						
81	35	40	45				
82	Phe Arg Asn Tyr Ser Val Arg Tyr Arg Pro Gly Leu Asp Leu Val Leu						
83	50	55	60				
84	Arg Asp Leu Ser Leu His Val His Gly Gly Glu Lys Val Gly Ile Val						
85	65	70	75	80			
86	Gly Arg Thr Gly Ala Gly Lys Ser Ser Met Thr Leu Cys Leu Phe Arg						
87	85	90	95				
88	Ile Leu Glu Ala Ala Lys Gly Glu Ile Arg Ile Asp Gly Leu Asn Val						
89	100	105	110				
90	Ala Asp Ile Gly Leu His Asp Leu Arg Ser Gln Leu Thr Ile Ile Pro						
91	115	120	125				
92	Gln Asp Pro Ile Leu Phe Ser Gly Thr Leu Arg Met Asn Leu Asp Pro						
93	130	135	140				
94	Phe Gly Ser Tyr Ser Glu Glu Asp Ile Trp Trp Ala Leu Glu Leu Ser						
95	145	150	155	160			
96	His Leu His Thr Phe Val Ser Ser Gln Pro Ala Gly Leu Asp Phe Gln						
97	165	170	175				
98	Cys Ser Glu Gly Gly Glu Asn Leu Ser Val Gly Gln Arg Gln Leu Val						
99	180	185	190				
100	Cys Leu Ala Arg Ala Leu Leu Arg Lys Ser Arg Ile Leu Val Leu Asp						
101	195	200	205				
102	Glu Ala Thr Ala Ala Ile Asp Leu Glu Thr Asp Asn Leu Ile Gln Ala						
103	210	215	220				
104	Thr Ile Arg Thr Gln Phe Asp Thr Cys Thr Val Leu Thr Ile Ala His						
105	225	230	235	240			
106	Arg Leu Asn Thr Ile Met Asp Tyr Thr Arg Val Leu Val Leu Asp Lys						
107	245	250	255				

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108 Gly Val Val Ala Glu Phe Asp Ser Pro Ala Asn Leu Ile Ala Ala Arg		
109 260 265 270		
110 Gly Ile Phe Tyr Gly Met Ala Arg Asp Ala Gly Leu Ala		
111 275 280 285		
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115 <212> TYPE: DNA		
116 <213> ORGANISM: Homo sapiens		
118 <400> SEQUENCE: 3		
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121 aggtcgagca ggttttgtg gctggagaaa caaaatgtt taaaagccca gaagagggac 180		
122 tgggtgcagt ggctcacacc taatcccagc actttgggag gcggaggtgg gcggatcacc 240		
123 tgaggccagg agtccagaa cagcctggcc aacatggta aaccatatct ctacttaat 300		
124 aaaaaattt gccagccgtg gtggccggca tctgtaatcc cagctactca ggaggctgag 360		
125 gcaggagaat agttgaacc tgggaggcag aggttgcagt gagccaagat caccactg 420		
126 cactccagcc tgggtacag agcgagactc catctcaaga gagaaaaaaaaaa 480		
127 aggagtttc ttgttttttggt gttgtttaga aatgtatctg gagcttagcc ccaaaggaca 540		
128 agga 544		
130 <210> SEQ ID NO: 4		
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137 aggcatctcc cgagtcccc tccctgtca gtatggcac cagccacagg gtctgttcc 120		
138 aaggactgtg agaaaaaaaaaaa aaaaagaaaa aaatcattga gttgacaagt ttataaccac 180		
139 acaccatggc tggatgtcc tacttcctt ccccaagaag cccatgttct cacattcaga 240		
140 aagaattctg ttgaataatc tctgtcctca aacccacat ctctctctg ctcagccgtc 300		
141 gaccttgcct gacacccac agttcaactg gagagacccc catcagcagg agattgtgt 360		
142 gcaggcttag caggctttg tggctggaga aaaaaatgt tttaaaagcc cagaagaggg 420		
143 actgggtgca gtggctcaca cctaattccca gcactttggg aggccggaggt gggcgatca 480		
144 cctgaggccca ggagctccag aacagccctgg ccaacatgtt gaaacccttat ctctacttaa 540		
145 atacaaaaat tagccagccg tggggccgg catctgtat cccagctact caggaggctg 600		
146 aggaggaga atagcttcaa cctggggagc agagggtgca gtgagccaag atcaccac 660		
147 tgcactccag cctgggtgac agagcgagac tccatctcaa gagaaaaaaaaaa 720		
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159 ctctctgatgt gctggatttca cagatggccgg ccaccacggc tggcttattt ttgttattaa 180		
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164 <211> LENGTH: 20
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer
171 <400> SEQUENCE: 6
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174 <210> SEQ ID NO: 7
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176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer
182 <400> SEQUENCE: 7
183 tccttgctaa gctccaagat 20

VERIFICATION SUMMARY **DATE: 02/07/2006**
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